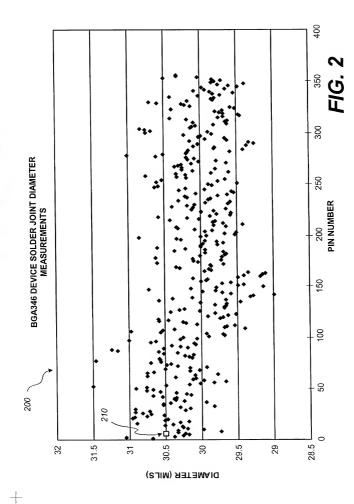
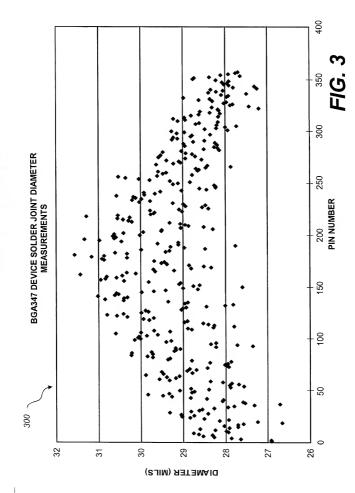


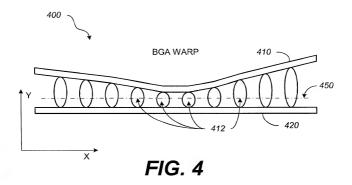
FIG. 1





TODSWIDT TELYDI





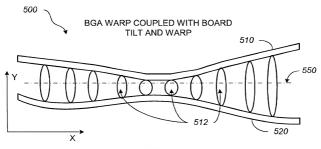


FIG. 5



## DISTANCE FROM CENTROID OF PACKAGE

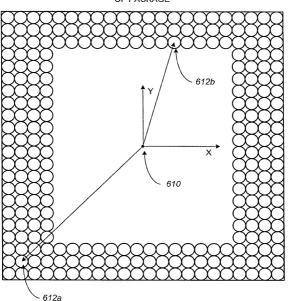
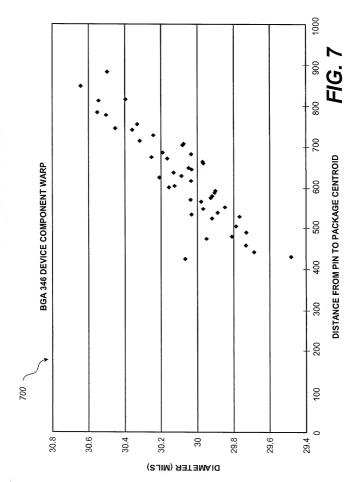
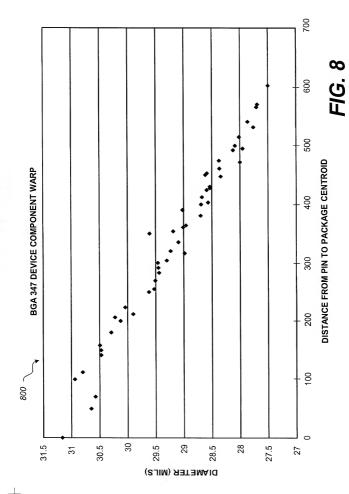


FIG. 6

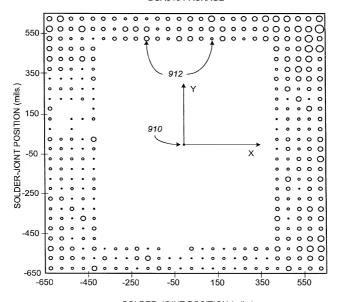








## EXAGGERATED DIAMETER CHART FOR AN EXEMPLAR BGA346 PACKAGE



SOLDER-JOINT POSITION (mils.)

FIG. 9



## EXAGGERATED DIAMETER CHART FOR AN EXEMPLAR BGA347 PACKAGE

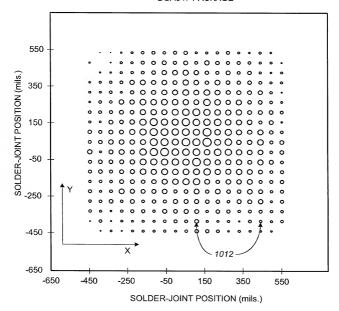


FIG. 10



## **NEAR NEIGHBOR ANALYSIS**

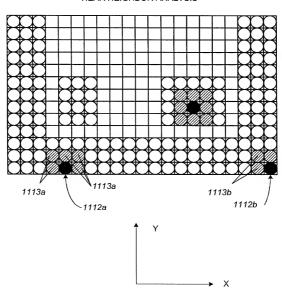
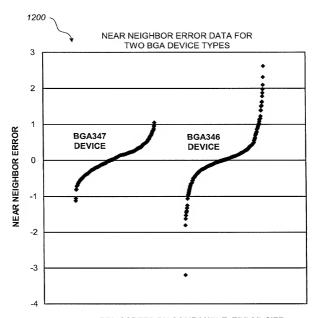
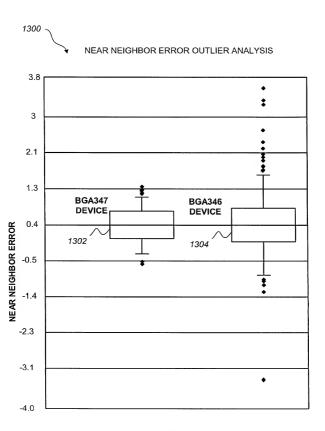


FIG. 11



PIN: SORTED BY COMPONENT, ERROR SIZE

FIG. 12



PIN: SORTED BY COMPONENT, ERROR SIZE

FIG. 13

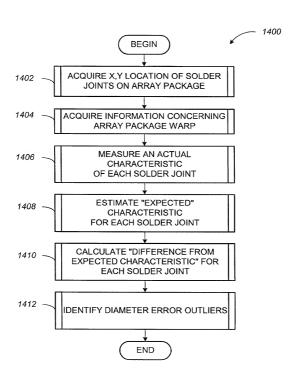


FIG. 14

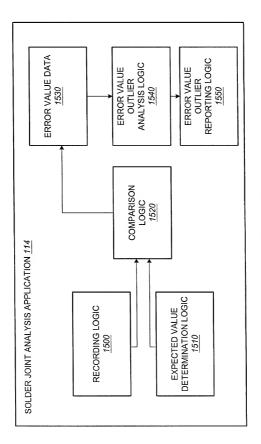


FIG. 15

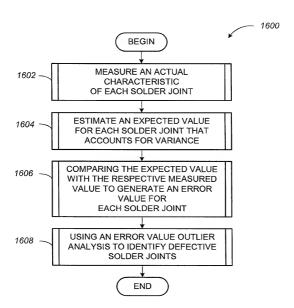


FIG. 16